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PATENT  
670001-2002.4

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1645

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Andersen, et al.  
Serial No. : 09/804,980  
For : M. TUBERCULOSIS ANTIGENS  
Filed : March 13, 2001  
Examiner : TBA  
Art Unit : 1645

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Charles Jackson

(Typed or printed name of person mailing paper or fee)

Charles Jackson

(Signature of person mailing paper or fee)

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants respectfully direct the Examiner's attention to the documents listed on the accompanying PTO-1449 form, and which are enclosed herewith.

Applicant respectfully requests that the Examiner consider this Information Disclosure Statement and its cited references and make them of record. 37 CFR § 1.97(d) states that an Information Disclosure Statement shall be considered by the Patent Office if filed by the Applicant after the mailing date of a Notice of Allowance and before the payment of the issue fee. Furthermore, documents AE & AO on sheet 1 of the PTO-1449 were previously submitted

in the Information Disclosure Statement filed March 19, 2003. To date, Applicants are not aware that these references were considered.

Applicants respectfully request that the Examiner make of record the documents cited herein as they raise no issues to patentability. At the very least, Applicants request that the documents are placed in the file. The Commissioner is authorized to charge any required fee, or to credit any overpayment in fees, to Deposit Account No. 50-0320.

The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

Consideration of this Information Disclosure Statement is respectfully requested. Applicants respectfully request that a copy of Form PTO-1449 be initialed by the Examiner and returned to the undersigned.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP  
Attorneys for Applicants

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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. <b>670001-2002.4</b>	SERIAL NO. <b>09/804,980</b>
	APPLICANT <b>ANDERSEN ET AL.</b>	
	FILING DATE <b>MARCH 13, 2001</b>	GROUP <b>1645</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						

## FOREIGN PATENT DOCUMENTS


		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	AC	98/16646	4/23/1998	WIPO			
	AD	98/16645	4/23/1998	WIPO			

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AE		
	AF		
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	AK		
	AL		
	AM		
	AN		
	AO		
	AP		
	AQ		

EXAMINER	DATE CONSIDERED
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-1449 (3/90)				ATTY. DOCKET NO. <b>670001-2002.4</b>		SERIAL NO. <b>09/804,980</b>	
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U.S. PATENT DOCUMENTS							
INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	AB						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AC		Baldwin, S.L. et al., June 1998, Evaluation of new vaccines in the mouse and guinea pig model of tuberculosis, Infect. Immun. 66(6):2951-2959				
	AD		Boesen, H. et al., April 1995, Human T-cell responses to secreted antigen fractions of Mycobacterium tuberculosis, Infect. Immun. 63(4): 1491-1497				
	AE		Brandt et al., 1996, Key epitopes on the ESAT-6 antigen recognized in mice during the recall of protective immunity to Mycobacterium tuberculosis, J. Immunol. 157:3527-3533				
	AF		Brandt L. et al., February 2000, ESAT-6 subunit vaccination against Mycobacterium tuberculosis, Infect. Immun. 68:791-795				
	AG		Cole, S.T. et al., June 1998, Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence, Nature 393:537-544				
	AH		Horwitz et al., February 1995, Protective immunity against tuberculosis induced by vaccination with major extracellular proteins of Mycobacterium tuberculosis, Proc. Natl. Acad. Sci. USA. 92:1530-1534				
	AI		Olsen A.W. et al., June 2000, Efficient protection against Mycobacterium tuberculosis by vaccination with a single subdominant epitope from the ESAT-6 antigen, Eur J. Immunol. 30(6):1724-1732				
	AJ		Ravn, P. et al., March 1999, Human T Cell responses to ESAT-6 antigen from Mycobacterium tuberculosis, J. Infect. Dis. 179:637-645				
	AK		Roche, P.W. et al. December 1994, T-cell determinants and antibody binding sites on the major mycobacterial secretory protein MPB59 of Mycobacterium bovis, Infect. Immun. 62(12):5319-5326				
	AL		Skjot, R.L.V., et al., January 2000, Comparative evaluation of low-molecular-mass proteins from Mycobacterium tuberculosis identifies members of the ESAT-6 family as immunodominant T-cell antigens, Infect. Immun. 68(1):214-220				
	AM		Stryhn, A., et al., 1996, Peptide binding specificity of major histocompatibility complex class I resolved into an array of apparently independent subspecificities: quantitation by peptide libraries and improved prediction of binding, Eur. J. Immunol. 26:1911-1918				
	AN		Ulrichs, T. et al., 1998, Differential T cell responses to Mycobacterium tuberculosis ESAT6 in tuberculosis patients and healthy donors, Eur. J. Immunol. 28:3949-3958				
EXAMINER				DATE CONSIDERED			
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